

# EUROPEAN PATENT OFFICE

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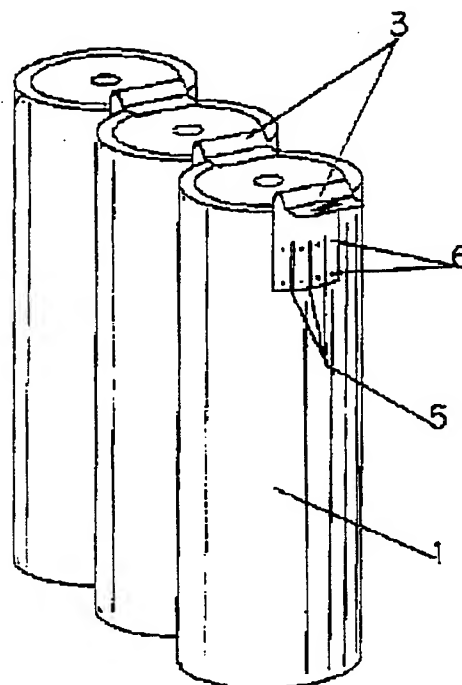
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INVENTOR : MATSUSHITA MINORU;

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TITLE : BATTERY PACK



ABSTRACT : PROBLEM TO BE SOLVED: To make a connection firm enough to enhance vibration resistance of a battery array in which a plurality of batteries are electrically connected in series with one another by connecting the batteries to a battery case by spot welding using a specifically shaped connector.

SOLUTION: A connecting plate 3 connecting batteries together is provided with a plurality of slits 5 along the direction of the height of the batteries, at one end connected to a battery case, and an approximately L-shaped connecting plate 3 with a plurality of small projections 6 for spot welding and with a curved configuration that goes along the curved surface of the battery case is formed. The slit parts 5 are pressed along the battery case 1, and the small projections 6 are spot welded to the battery case 1. Thus by providing the slits in the curved surface of the connecting plate 3, flexibility is given to allow the connecting plate 3 to easily abut to the peripheral surface of the battery case, and since the use of the small projections ensures efficient welding, a sufficient connecting strength between the batteries is obtained to provide a battery pack excellent in vibration resistance.

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